

Notice of Allowability

Application No.

10/040,845

Examiner

Walter F Briney III

Applicant(s)

LIU, CHUNG-KUN

Art Unit

2644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response after a Non-Final office action, received 27 September 2004.
2. ☒ The allowed claim(s) is/are 1,2 and 4-8.
3. ☒ The drawings filed on 07 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

Claims 1, 2, and 4-8 are allowed.

The following is an examiner's statement of reasons for allowance:

Concerning the rejections made under 35 U.S.C. 112 second paragraph, the applicant has amended the claims such that the recitation directed toward a rectifier producing a direct current output is now directed toward a rectifier that produces a positive output, which is consonant with the examiner's suggestion. Therefore, the above noted rejections are withdrawn.

Claim 1 has been amended by the applicant in the instant response, applicant has amended claim 1 to include the allowable limitations of claim 3, and because there were no intermediate claims between 1 and 3, claim 1 is clearly allowable for the same reasons presented in the Non-Final office action dated 23 June 2004.

In review, it has been shown that all the limitations of claim 1 are anticipated by Zoerner with the exception of *a series connection of a diode and a capacitor*. While Zoerner discloses a *differentiator* (figure 2, element 76), there is clearly are clearly no diodes outside of the polarity guard (32). The polarity guard provides all the rectifying functionality required. Therefore, Zoerner anticipates all limitations of the claim with the exception of *a series connection of a diode and a capacitor*. Thus, claim 3 is allowable over Zoerner.

Claim 5 was objected to for being in dependent form, but would be allowable if rewritten in independent form, including all limitations of any preceding claims. In the

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instant response, applicant has amended claim 5 in accordance with the examiner's suggestion so that claim 5 is clearly allowable for the same reasons presented in the Non-Final office action dated 23 June 2004.

In review, Zoerner discloses a hook switch (figure 2, element 28) (i.e. *a second switch unit*), which is typically a latching relay, however, Zoerner makes no reference to controlling the hook switch using the *differentiator* and *integrator* because the *switch* is a simple manually operated *switch*, activated when a user picks up the handset. In addition, the *switch* must be maintained as a manual *switch* because it gives the user the chance to override the power supply sleep function, independent of the state of the telephone as determined by the *differentiator* and *integrator*. Therefore, Zoerner makes obvious all limitations of the claim with the exception *wherein said latching relay further includes a second switch unit that makes connection between said rectifier and said integrator when said exciting coil of said latching relay is excited by the electric current flowing through said differentiator, and that breaks connection between said rectifier and said integrator when said exciting coil of said latching relay is excited by the electric current discharged by said integrator*. Thus, claim 5 is allowable over Zoerner.

Claims 2 and 4 are allowable over Zoerner based on their dependence on allowed claim 1.

Claims 6-8 are allowable over Zoerner based on their dependence on allowed claim 5.

Claim 3 is cancelled

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter F Briney III whose telephone number is 703-305-0347. The examiner can normally be reached on M-F 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 703-305-4040. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



SINH TRAN
SUPERVISORY PATENT EXAMINER

WFB
2/16/05